

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 3

### Complete if Known

Application Number	10/607,992
Filing Date	Jun. 30, 2003
First Named Inventor	WILLIAM McFARLAND et al.
Art Unit	2661
Examiner Name	
Attorney Docket Number	MR2929-7/C

### U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
[Signature]	A	US- 5,261,118	Nov. 09, 1993	VANDERSPOOL, II et al.	
	B	US- 5,400,322	Mar. 21, 1995	HUNT et al.	
	C	US- 5,499,236	Mar. 12, 1996	GIALLORENZI et al.	
	D	US- 5,506,867	Apr. 09, 1996	KOTZIN et al.	
	E	US- 5,742,527	Apr. 21, 1998	RYBICKI et al.	
	F	US- 5,870,427	Feb. 09, 1999	TIEDEMANN Jr. et al.	
	G	US- 5,914,932	Jun. 22, 1999	SUZUKI et al.	
	H	US- 5,966,644	Oct. 12, 1999	SUZUKI	
	I	US- 6,005,893	Dec. 21, 1999	HYLL	
	J	US- 6,044,067	Mar. 28, 2000	SUZUKI	
	K	US- 6,125,103	Sep. 26, 2000	BAUML et al.	
	L	US- 6,160,820	Dec. 12, 2000	ISAKSSON et al.	
	M	US- 6,215,778	Apr. 10, 2001	LOMP et al.	
	N	US- 6,628,673	Sep. 30, 2003	McFARLAND et al.	
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### FOREIGN PATENT DOCUMENTS

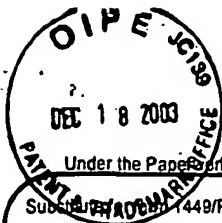
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

Examiner Signature	<u>Manu A. Khan</u>	Date Considered	<u>12/22/05</u>
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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PTO/SB/08B (04-03)

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Subclass 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Application Number	10/607,992
Filing Date	Jun. 30, 2003
First Named Inventor	WILLIAM McFARLAND et al.
Art Unit	2661
Examiner Name	
Attorney Docket Number	MR2919-7/C

Sheet 2 of 3

**NON PATENT LITERATURE DOCUMENTS**

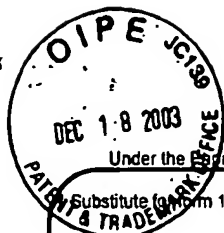
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
mp	O	HERMANN ROHLING et al., "Performance Comparison of Different Multiple Access Schemes for the Downlink of an OFDM Communication System", IEEE 47th Vehicular Technology Conference, May 04, 1997, pg. 1365-1369, Phoenix Arizona	
	P	ANDREW VITERBI, "The Orthogonal-Random Waveform Dichotomy for Digital Mobile Personal Communication", IEEE Personal Communications, 1994, pg. 18-23	
	Q	GREGORY POTTIE et al., "Channel Coding Strategies for Cellular Radio", IEEE International Symposium on Information Theory, Jan. 17, 1993, San Antonio Texas	
	R	HAKAN OLOFSSON et al., "Interference Diversity Gain in Frequency Hopping GSM", IEEE 45th Vehicular Technology Conference, Jul. 25, 1995, Chicago, Illinois	
	S	J.-I CHUANG, "An OFDM-Based System with Dynamic Packet Assignment and Interference Suppression for Advanced Cellular Internet Service", IEEE GLOBECOM 1998 Sydney Conference record 2 of 6, Nov.08, 1998, Sydney Australia	
	T	WOLFGANG EBERIE et al., "Design Aspects of an OFDM Based Wireless LAN with Regard to ASIC Integration", Braunschweig Germany, Sept. 16-17, 1997	
	U	SHINSUKE HARA et al., "Transmission Performance Analysis of Multi-Carrier Modulation in Frequency Selective Fast Rayleigh Fading Channel", Wireless Personal Communications 2, 1996, pg. 335-356, Kluwer Academic Publishers, Netherlands	
	V	CLACK D. THOMPSON, "Fourier Transforms in VLSI", IEEE Transactions on Computers, Vol. C-32, No. 11, Nov. 1983, pg. 1047-1057	
	W	HERMANN ROHLING et al., "Comparison of Multiple Access Schemes for an OFDM Downlink System", Multi-Carrier Spread-Spectrum, 1997, pg. 23-30, Kluwer Academic Publishers, Netherlands	
mp	X	ALVIN M. DESPAIN, "Very Fast Fourier Transform Algorithms Hardware for Implementation", IEEE Transactions on Computers, Vol. C-28, No. 5, May 1979, pg. 333-341	

Examiner Signature	<i>Manu...</i>	Date Considered	12/22/05
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		Application Number	10/607,992
		Filing Date	Jun. 30, 2003
		First Named Inventor	WILLIAM McFARLAND et al.
		Art Unit	2661
		Examiner Name	
Sheet 3	of 3	Attorney Docket Number	MR2919-7/C

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
MP	Y	HAMID ALIKHANI et al., "BDMA Band Division Multiple Access, A New Air-Interface for 3rd Generation Mobile System, UMTS, in Europe", , PG. 482-488	

Examiner Signature	<i>Man r. phan</i>	Date Considered	12/22/05
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/607,992
Filing Date	30 June 2003
First Named Inventor	William McFarland, et al.
Art Unit	2661
Examiner Name	Unknown
Attorney Docket Number	MR2919-7/0

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of

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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
mp	F	Mitsugu Ohkawa, et al., "Orthogonal Multicarrier Frequency Hopping-Code Division Multiple Access Scheme for Frequency-Selective Fading, Electronics and Communications in Japan, Part 1, Vol. 78, No. 8, pp. 86-98, Scripta Technica, Inc. (1995)	
	G	Qingzin Chen, et al., "Multicarrier CDMA with Adaptive Frequency Hopping for Mobile Radio Systems," IEEE Journal on Selected Areas in Communications, Vol. 14, No. 9, pp. 1852-1858 (December, 1996).	
mp	H	Jan-Jaap van de Beek, et al., "A Time and Frequency Synchronization Scheme for Multiuser OFDM," IEEE Journal on Selected Areas in Communications, Vol. 17, No. 11, pp. 1900-1914 (November, 1999).	

Examiner Signature	<i>Manuel P. Sloan</i>	Date Considered	12/22/05
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